

A2 Sub. B4

8. The filter device as defined in Claim 1, wherein the thermal conductivity of the second filter elements (3 through 6; 13 through 20; 24, 25) is greater than or less than that of the first filter element (1, 12) or first filter elements (22, 23).

9. The filter device as defined in Claim 1, wherein contact layers are arranged between the filter elements (2 through 6; 12 through 20; 22 through 25).

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11. The filter device as defined in Claim 9, wherein the contact layers are electrically conductive.

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13. The filter device as defined in Claim 9, wherein the contact layers directly connect the filter elements (2 through 6; 12 through 20; 22 through 25).

14. The filter device as defined in Claim 9, wherein the contact layers are configured as separate layers with no material connection to the filter elements (2 through 6; 12 through 20; 22 through 25).

15. The filter device as defined Claim 9, wherein the thermal conductivity of the contact layers is of the same order of magnitude as that of the first and/or second filter elements (2 through 6; 13 through 20; 22 through 25).

16. The filter device as defined in Claim 1, wherein the filter elements (2 through 6; 12 through 20; 22 through 25) comprise, next to and alternating with one another, inflow conduits and outflow conduits that are separated by porous, filtrationally effective longitudinal walls, the inflow conduits being open on the inflow side and closed on the outflow side, and the outflow conduits being closed on the inflow side and open on the outflow side.

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18. The filter device as defined in Claim 1, wherein the outer walls of the filter elements (2 through 6; 12 through 20; 22 through 25) are of particle-tight, in particular gas-tight, configuration.

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19. The filter device as defined in Claim 1, wherein the outer walls of the filter elements (2 through 6; 12 through 20; 22 through 25) have a rectangular, square, oval, round, and/or shell-shaped cross section.

20. The filter device as defined in Claim 1, wherein the filter element group(s) (1, 11, 21) is/are surrounded by a housing having a gas inlet and gas outlet.

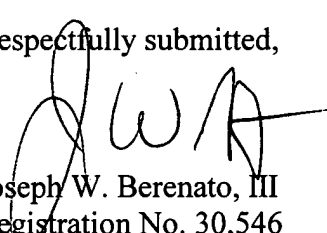
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22. The filter device as defined in Claim 1, wherein the filter elements (2 through 6; 12 through 20; 22 through 25) and if applicable the contact layers have substantially the same expansion coefficients over the operating temperature range.

REMARKS

The preceding amendment has been made to cancel the multiple dependent claims appearing in the application. The claims are now in condition for examination.

It is believed that no charges are due for this submission. However, if this is incorrect, then please debit Account 50-0548 and notify the undersigned.

Respectfully submitted,


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